

=> d his ful

(FILE 'HOME' ENTERED AT 11:45:18 ON 12 JUL 2006)

FILE 'REGISTRY' ENTERED AT 11:45:55 ON 12 JUL 2006

E ST2195/CN

E ST 2195/CN

L1 STR 566189-21-7

L2 0 SEA SSS SAM L1

L3 1 SEA ABB=ON 566189-21-7/RN

FILE 'HCAPLUS' ENTERED AT 11:53:06 ON 12 JUL 2006

L4 2 SEA ABB=ON L3

L5 2 SEA ABB=ON L4 AND (PRD<20031216 OR PD<20031216)

FILE 'MEDLINE, BIOSIS, EMBASE, JAPIO, JICST-EPLUS' ENTERED AT 11:55:05 ON 12 JUL 2006

L6 0 SEA ABB=ON L4

FILE 'USPATFULL' ENTERED AT 11:55:16 ON 12 JUL 2006

L7 1 SEA ABB=ON L4 AND (PRD<20031216 OR PD<20031216)

FILE 'HCAPLUS' ENTERED AT 11:57:41 ON 12 JUL 2006

L8 2 SEA ABB=ON L5 AND (?HYPERGLYC? OR ?HYPERLIPID?)

FILE 'USPATFULL' ENTERED AT 11:58:14 ON 12 JUL 2006

L9 1 SEA ABB=ON L7 AND (?HYPERGLYC? OR ?HYPERLIPID?)

FILE 'REGISTRY' ENTERED AT 11:59:41 ON 12 JUL 2006

L10 STRUCTURE

L11 0 SEA SSS SAM L10

L12 STR L10

L13 0 SEA SSS SAM L12

L14 2 SEA SSS FUL L12

FILE 'HCAPLUS' ENTERED AT 12:03:34 ON 12 JUL 2006

L15 2 SEA ABB=ON L14 *2 cits from CAPLUS*

FILE 'USPATFULL' ENTERED AT 12:04:32 ON 12 JUL 2006

L16 1 SEA ABB=ON L14 *1 cit from USPatfull*

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 11 JUL 2006 HIGHEST RN 892124-43-5

DICTIONARY FILE UPDATES: 11 JUL 2006 HIGHEST RN 892124-43-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of

experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE HCAPLUS

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 12 Jul 2006 VOL 145 ISS 3
FILE LAST UPDATED: 11 Jul 2006 (20060711/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE MEDLINE

FILE LAST UPDATED: 11 JUL 2006 (20060711/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 5 July 2006 (20060705/ED)

FILE EMBASE

FILE COVERS 1974 TO 12 Jul 2006 (20060712/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE JAPIO

FILE LAST UPDATED: 3 APR 2006 <20060403/UP>

FILE COVERS APRIL 1973 TO DECEMBER 22, 2005

>>> GRAPHIC IMAGES AVAILABLE <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOT YET AVAILABLE IN THIS FILE.
USE IPC7 FORMAT FOR SEARCHING THE IPC. WATCH THIS SPACE FOR FURTHER
DEVELOPMENTS AND SEE OUR NEWS SECTION FOR FURTHER INFORMATION
ABOUT THE IPC REFORM <<<

FILE JICST-EPLUS

FILE COVERS 1985 TO 10 JUL 2006 (20060710/ED)

THE JICST-EPLUS FILE HAS BEEN RELOADED TO REFLECT THE 1999 CONTROLLED
TERM (/CT) THESAURUS RELOAD.

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 11 Jul 2006 (20060711/PD)

FILE LAST UPDATED: 11 Jul 2006 (20060711/ED)

HIGHEST GRANTED PATENT NUMBER: US7076805

HIGHEST APPLICATION PUBLICATION NUMBER: US2006150291

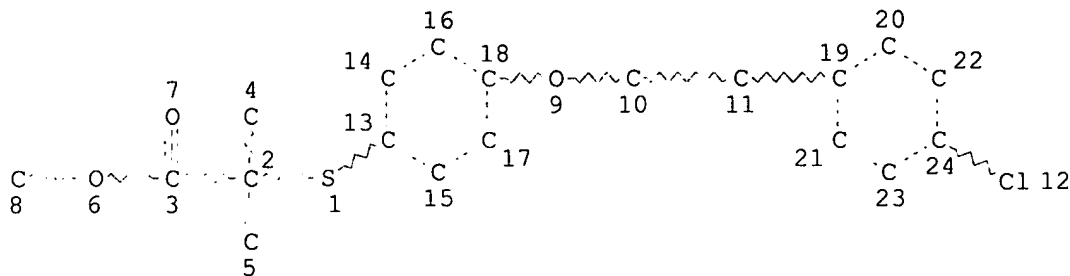
CA INDEXING IS CURRENT THROUGH 11 Jul 2006 (20060711/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 11 Jul 2006 (20060711/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2006

=> d que stat l15
L12 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 24

STEREO ATTRIBUTES: NONE
L14 2 SEA FILE=REGISTRY SSS FUL L12
L15 2 SEA FILE=HCAPLUS ABB=ON L14

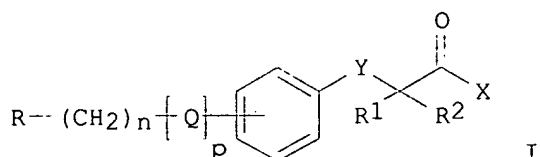
=> d ibib abs hitstr l15 1-2

L15 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:550873 HCAPLUS
DOCUMENT NUMBER: 141:82339
TITLE: Use of α -phenylthiocarboxylic and
 α -phenyloxycarboxylic acids with serum
glucose-lowering and serum lipid-lowering activity
INVENTOR(S): Giannessi, Fabio; Tassoni, Emanuela; Tinti, Maria
Ornella; Pessotto, Pompeo; Dell'Uomo, Natalina;
Sciarroni, Anna Floriana; Brunetti, Tiziana; Milazzo,
Ferdinando Maria
PATENT ASSIGNEE(S): Sigma-Tau Industrie Farmaceutiche Riunite S.p.A.,
Italy
SOURCE: PCT Int. Appl., 76 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056355	A1	20040708	WO 2003-IT820	20031216
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,				
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,				
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ,				
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,				
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,				

TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2506627	AA	20040708	CA 2003-2506627	20031216
AU 2003288546	A1	20040714	AU 2003-288546	20031216
EP 1572180	A1	20050914	EP 2003-780669	20031216
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003017359	A	20051108	BR 2003-17359	20031216
CN 1728992	A	20060201	CN 2003-80106699	20031216
JP 2006512362	T2	20060413	JP 2004-561981	20031216
PRIORITY APPLN. INFO.:			IT 2002-RM629	A 20021219
OTHER SOURCE(S):			WO 2003-IT820	W 20031216
GI				
MARPAT 141:82339				

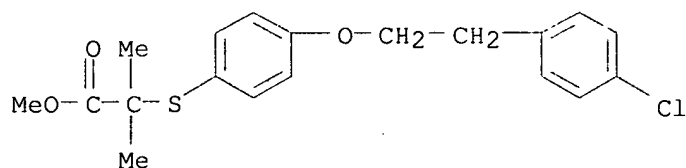


AB The invention describes the use of derivs. of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids I [R = H, (un)substituted (hetero)aryl; n = 0-3; p = 0, 1; X = OH, O-(C1-4 alkyl); R1, R2 = H, C1-5 alkyl, COX; Q = NH, O, S, NHC(O)O, etc.; Y = O, S] for the preparation of a medicament for the prophylaxis and treatment of diabetes, particularly type 2 diabetes, its complications, the various forms of insulin resistance, and hyperlipidemias. Compound preparation is also described.

IT 566189-21-7P 566189-42-2P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (phenylthiocarboxylic and phenyloxycarboxylic acid derivs. with serum glucose-lowering and serum lipid-lowering activity)

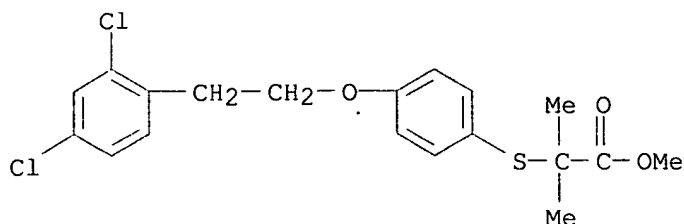
RN 566189-21-7 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



RN 566189-42-2 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(2,4-dichlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:570951 HCAPLUS

DOCUMENT NUMBER: 139:133346

TITLE: Preparation of derivatives of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids useful for the treatment of diseases responding to PPAR α activation

INVENTOR(S): Giannessi, Fabio; Dell'Uomo, Natalina; Tassoni, Emanuela; Tinti, Maria Ornella; Sciarroni, Anna Floriana; Bandera, Monica; Pessotto, Pompeo; Arduini, Arduino

PATENT ASSIGNEE(S): Sigma-Tau Industrie Farmaceutiche Riunite S.p.A., Italy

SOURCE: PCT Int. Appl., 52 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

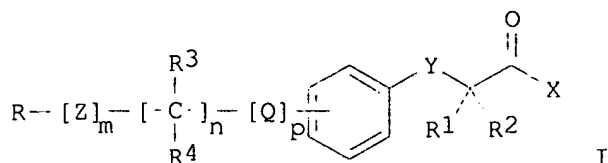
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003059875	A2	20030724	WO 2003-IT11	20030115
WO 2003059875	A3	20031204		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2472223	AA	20030724	CA 2003-2472223	20030115
AU 2003209679	A1	20030730	AU 2003-209679	20030115
EP 1474387	A2	20041110	EP 2003-729547	20030115
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003006824	A	20041221	BR 2003-6824	20030115
JP 2005514456	T2	20050519	JP 2003-559979	20030115
CN 1620429	A	20050525	CN 2003-802289	20030115
US 2005054671	A1	20050310	US 2004-501472	20041110
PRIORITY APPLN. INFO.:			IT 2002-RM14	A 20020115
			WO 2003-IT11	W 20030115
OTHER SOURCE(S):	MARPAT 139:133346			

GI



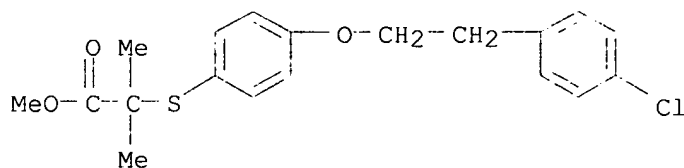
AB Title compds. I [R = H, YCR5R6COX, mono- bi- tricyclic (hetero)aryl; m = 0-1; n = 0-3; when n = 1, R3-4 = H, alkyl, when n = 2-3, R3 = R4 = H; p = 0-1; X = OH, alkoxy; R1-2, R5-6 = H, alkyl, alkoxy, acyl, etc.; Q, Z = NH, O, S, amido, etc.; Y = O, S] are prepared For instance, 4-mercaptophenol is reacted with Me α -bromoisobutyrate (CH₃CN, NaH) to give Me 2-(4-hydroxyphenylthio)isobutyrate. Selected compds. exhibit PPAR α agonist activity at 2 μ M. I are useful for the treatment of heart failure, the hyperlipemias and atherosclerosis.

IT 566189-21-7P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of derivs. of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids as PPAR α agonists)

RN 566189-21-7 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



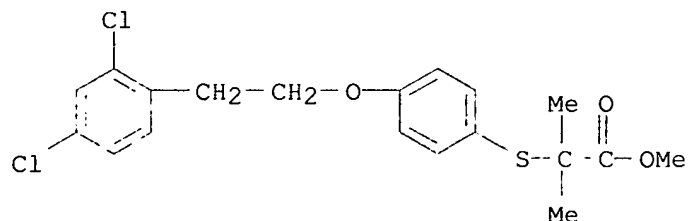
IT 566189-42-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

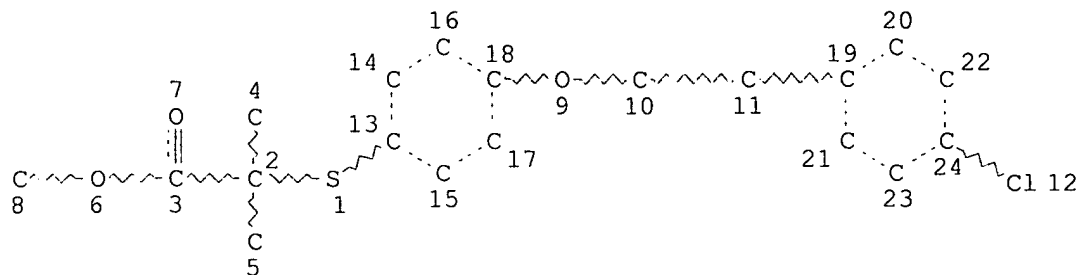
(preparation of derivs. of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids as PPAR α agonists)

RN 566189-42-2 HCAPLUS

CN Propanoic acid, 2-[[4-[2-(2,4-dichlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



=> □

=> d que stat l16
L12 STR

NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 24

STEREO ATTRIBUTES: NONE
 L14 2 SEA FILE=REGISTRY SSS FUL L12
 L16 1 SEA FILE=USPATFULL ABB=ON L14

=> d ibib abs hitstr l16 1-1

L16 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2005:63629 USPATFULL

TITLE: Derivatives of alpha-phenylthiocarboxylic and
 \$g(a)\$-phenyloxy-carboxylic acids useful for the
 treatment of diseases responding to pparalpha
 activation

INVENTOR(S): Giannessi, Fabio, Roma, ITALY
 Emanuela, Tassoni, Roma, ITALY
 Natalina, Dell'Uomo, Roma, ITALY
 Anna Floriana, Sciarroni, Roma, ITALY
 Pompeo, Pessotto, Roma, ITALY
 Arduino, Arduini, Roma, ITALY
 Roma, Bandera, Roma, ITALY
 Maria Ornella, Tinti, Roma, ITALY
 PATENT ASSIGNEE(S): SIGMA-TAU INDUSTRIE FARMACEUTICHE RIUNITE S.p. A
 (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005054671	A1	20050310
APPLICATION INFO.:	US 2004-501472	A1	20041110 (10)
	WO 2003-IT11		20030115

	NUMBER	DATE
PRIORITY INFORMATION:	IT 2002-RM14	20020115
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	

LEGAL REPRESENTATIVE: NIXON & VANDERHYE, PC, 1100 N GLEBE ROAD, 8TH FLOOR,
ARLINGTON, VA, 22201-4714

NUMBER OF CLAIMS: 7

EXEMPLARY CLAIM: 1

LINE COUNT: 1177

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Formula (I) compounds are described in which the substituents have the meanings described in the text, and which are useful for the treatment of diseases responding to PPAR α activation, such as heart failure, the hyperlipaemias and atherosclerosis.

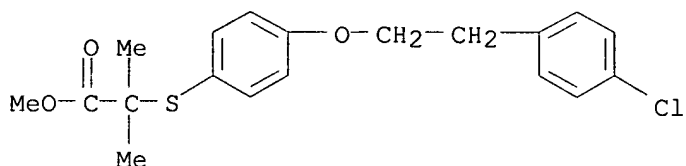
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 566189-21-7P

(preparation of derivs. of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids as PPAR α agonists)

RN 566189-21-7 USPATFULL

CN Propanoic acid, 2-[[4-[2-(4-chlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



IT 566189-42-2P

(preparation of derivs. of α -phenylthiocarboxylic and α -phenyloxycarboxylic acids as PPAR α agonists)

RN 566189-42-2 USPATFULL

CN Propanoic acid, 2-[[4-[2-(2,4-dichlorophenyl)ethoxy]phenyl]thio]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)

